



TTC Fleet Procurement Strategy and Plan

TTC Board Decision

The TTC Board, at its meeting on October 22, 2020, adopted the following:

It is recommended that the TTC Board:

Streetcars:

1. Delegate authority to the TTC Chief Executive Officer to issue a contract change with Bombardier Transportation Canada Inc. for the supply of 13 streetcars at an estimated cost of \$140 million, inclusive of all taxes and project delivery costs, based on the following:
 - a. Negotiation of an acceptable agreement that is satisfactory to the TTC Chief Executive Officer and General Counsel;
 - b. Negotiation of acceptable contract pricing for the initial order of 13 streetcars and fixed pricing on options for up to 47 additional streetcars equating to a combined total of 60 streetcars; and
 - c. All streetcars are to be delivered between 2023 and 2025.

City Buses and Wheel-Trans Buses:

2. Delegate authority to the TTC Chief Executive Officer to award up to two contracts for the supply and delivery of approximately 300 hybrid-electric buses for the estimated cost of approximately \$390 million, inclusive of taxes and project delivery costs, based on the following:
 - a. Negotiation of an acceptable agreement, satisfactory to the TTC Chief Executive Officer and General Counsel, with the one or both of the only two qualified suppliers of hybrid-electric buses compliant with Transport Canada's Commercial Motor Vehicle Safety Standards; and
 - b. All buses are to be delivered between 2022 and 2023.
3. Request staff to report back to the TTC Board in Q2 of 2021 with the first year test results of the eBus head-to-head evaluation and the resulting technical requirements for the supply and delivery of approximately 300 all-electric long-range buses commencing in 2023 through 2025.
4. Delegate authority to the TTC Chief Executive Officer to issue a contract change through Metrolinx's Joint Procurement Initiative to Creative Carriage Ltd. for the

supply and delivery of approximately 70 Wheel-Trans buses at an estimated cost of \$20 million, inclusive of all project delivery costs, based on the following:

- a. Written approval by the Advisory Committee on Accessible Transit (ACAT) of the 7-metre ProMaster pilot bus that is currently being evaluated;
- b. All buses are to be delivered between 2022 and 2023.

Electric Vehicle Charging Infrastructure:

5. Request staff to continue working with Toronto Hydro Electrical Supply Ltd and Ontario Power Generation and report back to the TTC Board in Q1 of 2021 with a draft agreement(s) for the delivery of the required bus, Wheel-Trans, and non-revenue vehicle charging infrastructure to enable achievement of the TTC's target for a fossil-fuel-free/zero-emissions fleet by 2040.

Subway Trains:

6. Approve expenditure of \$3 million to continue advancing the initial phase of procurement for 80 new subway trains, including employee and customer consultations, development of technical and commercial specifications, and development of concept drawings, through to the end of Q1 of 2021, recognizing that this expenditure will be sunk cost should the additional \$1.61 billion not be committed by that time.

Intergovernmental:

7. Request the Provincial and Federal government to provide funding as outlined below, to leverage municipal funding in order to procure the full program of new vehicles and related systems as follows:
 - a. Streetcar: commitment of \$360 million in net new funding by Q2 of 2021 to fully fund the \$500 million procurement of 60 new streetcars;
 - b. Subway Trains: commitment of \$1.61 billion in net new funding by Q1 of 2021, of which approximately \$1.25 billion is required in 2020-2029 and \$0.36 billion is required from 2030-2034, to fully fund the \$2.24 billion procurement of 80 new subway trains;
 - c. Buses: commitment of \$1.17 billion in net new funding required by Q1 2023 to fully fund the \$1.86 billion procurement of 1,422 buses;
 - d. Wheel-Trans Buses: commitment of \$154 million in net new funding required by Q2 of 2021 to fully fund the \$206 million procurement of 512 new Wheel-Trans buses; and
 - e. Electric Vehicle Charging Infrastructure: commitment of \$442 million in net new funding required by Q2 of 2021 to fully fund the \$550 million deployment of electric vehicle charging infrastructure for buses and Wheel-Trans buses.

Advice and Other Information

The TTC Board also adopted the following Member motions:

1. That the design of the subway cars gives consideration to maximum occupancy for passengers.
2. Recognizing previous issues with the base order of streetcars and the poor record of the streetcars being delivered on time, which delay caused considerable inconvenience to TTC customers, and to reassure our riders and taxpayers that the new option streetcars will be delivered on time,
 - a. The CEO be requested to negotiate strong contractual penalties and terms to ensure on time delivery to avoid unacceptable and irresponsible delays;
 - b. Such penalties and terms required to ensure on time delivery be presented to the TTC Board for final approval; and
 - c. Such terms to be made public to reassure the public of Bombardier's and the TTC Board's commitment to on time delivery.
3. That TTC staff assess the viability of and as appropriate consider including requirements for the provision of Autonomous Vehicle technology in future vehicle procurements.